

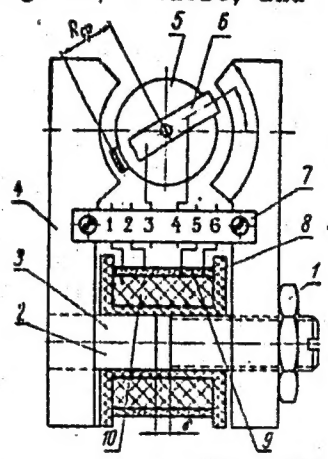
Ferrodynamic transmitters for...

89644  
S/115/61/000/002/002/006  
B116/B203

output voltage in the range of the working rotation angle; simple linear kinematic connection between the frame of the transmitter and its rotating parts; possibility of obtaining, with these transmitters, circuits for adding, subtracting, multiplying, and dividing, without the use of branchings or balancing potentiometers. There are 3 figures, 1 table, and 4 Soviet-bloc references.

Legend to Fig.1: 1) Nut, 2) movable plunger, 3) immovable plunger, 4) and 5) magnetic conductors, 6) frame, 7) terminal board, 8) coil, 9) additional winding, 10) primary winding.

Fig.1



Card. 4/7

Ferrodynamic transmitters for...

89644

S/115/61/000/002/002/006  
B116/B203

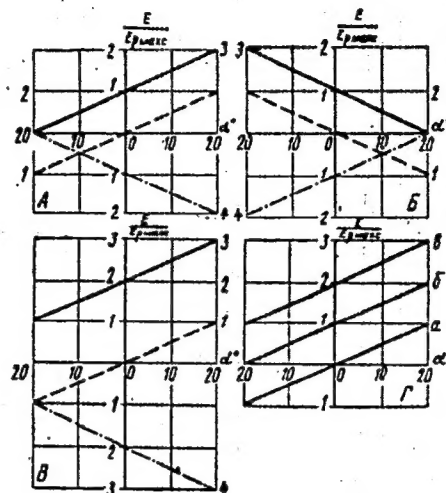


Fig. 2

Fig. 2

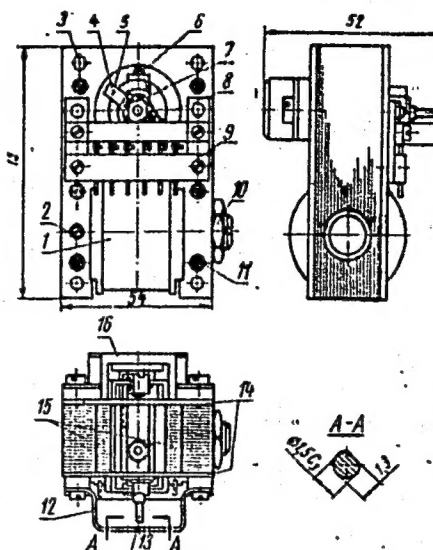
Card 5/7

Ferrodynamic transmitters for...

89644

S/115/61/000/002/002/006  
B116/B203

Legend to Fig.3: 1) Coil, 2) setscrew,  
3) four holes, 4) mark, 5) frame, 6) screw,  
7) spring, 8) core, 9) terminal board,  
10) nut, 11) rivets, 12) bow, 13) shaft,  
14) board, 15) magnetic conductor,  
16) base.



Card 6/7

Фиг. 3 (Fig. 3)

896hh

Ferrodynamic transmitters for...

S/115/61/000/002/002/006  
B116/B203

Legend to the table: 1) Type of transmitter, 2) rated feeder voltage, v, 3) rated primary current at  $\delta = 0$ , ma, 4) form of characteristic (see Fig.2 П), 5) number of windings of the primary coil, 6) number of windings of the additional coil, 7) emf of the additional coil at the rated primary current and  $\delta = 0$ , v.

1)	2)	3)	4)	5)	6)	7)
Модификация датчика	Номинальное напряжение питания, в	Номинальный ток возбуждения при $\delta=0$ , ма	Вид характеристики	Число витков обмотки при возбуждении	Число витков обмотки смещения	Э. д. с. обмотки смещения при номинальном токе возбуждения и $\delta=0$ , в
ДФ1	60	50	а	3500	—	—
ДФ2	12	250	а	630	—	—
ДФ3	60	50	а, б	3500	75	1,2
ДФ4	12	250	а, б	630	75	1,2
ДФ5	60	50	а, в	3500	150	2,4
ДФ6	12	250	а, в	630	150	2,4

Card 7/7

GAFANOVICH, M.D.; DIDENKO, K.I.

Improving the visibility of instrument readings. Priborostrceni  
no.7:27 J1 '64. (MIRA 17:11)

DIDENKO, K.I., kand. tekhn. nauk; GAFANOVICH, M.D.; ZAGARIY, G.I.; AEMUCOV,  
Yu.O.; SHRAMKO, K.N.

Electric regulator of a ferrodynamic system. Avt. i prib. no.43  
64-66 G-D '64 (MIRA 18s2)

VASIL'YEV, V.G.; IVANOV, A.P.; VOSTRYAKOV, O.I.; SHMITEL'SKIY, V.N.;  
GAFANOVICH, M.D.; DIDENKO, K.I.; ABUGOV, Yu.O.; SHRAMKO, K.N.;  
ZAGARIY, G.I.; DUDCHENKO-DUDKO, V.M.; NIKULIN, Yu.Ya.;  
YEFIMOV, Yu.N.; BYKOV, V.L.

Inventions. Avt. i prib. no.4:73-74 O-D '64 (MIRA 18:2)

L 19675-65 EWT(1)/EPR/EWA(h)/EWA(m)-2 Ps-4/Peb SSD/AFWL WW

ACCESSION NR: AP4049084

S/0115/64/000/009/0051/0053

AUTHOR: Gafanovich, M. D.

B

TITLE: Selecting the range of automatic introduction of correction in measuring the gas flow by differential manometers

<sup>gm</sup>  
SOURCE: Izmeritel'naya tekhnika, no. 9, 1964, 51-53

TOPIC TAGS: differential manometer, flowmeter, gas flowmeter <sup>25</sup>

ABSTRACT: A differential-manometer-type flowmeter with automatic correction of readings in accordance with gas parameters is continuously compensated for the restriction-device error (which is due to off-rating gas parameters). On the basis of the experience amassed by the KIP factory in Khar'kov, and considering the fundamental correction equation, the following correction ranges are recommended: for temperature,  $\pm 50^\circ\text{C}$  about the rated temperature; for pressure, 13 ranges depending on the rated pressure within 0.6—250 kg/cm<sup>2</sup>.

Card 1/2



L 19675-65

ACCESSION NR: AP4049084

No correction range for gas compressibility is offered. Orig. art. has: 1 figure and 1 formula.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 001

OTHER: 000

Card 2/2

ACCESSION NR: AP4039818

S/0286/64/000/010/0076/0076

AUTHOR: Gafanovich, M.D.; Didenko, K.I.; Abugov, Yu.O.; Shranko, K.N.;  
Zagariy, G.I.

TITLE: Contactless proportional-plus-integral controller. Class 42,  
No. 162719

SOURCE: Byul. izobr. i tovar. znakov, no. 10, 1964, 76

TOPIC TAGS: controller, contactless controller, proportional controller,  
proportional control, proportional plus integral controller, proportional plus  
integral control, contactless proportional plus integral controller, automation  
control

ABSTRACT: This author's certificate introduces a contactless proportional-plus-  
integral controller which consists of an integration device with a unit for  
setting the integration time and a proportional unit with a divider and an ampli-  
fier (see Fig. 1 of Enclosure). In order to raise the stability of the integra-  
tion time and to broaden the limits of adjustment, the unit for setting the  
integration time is made in the form of a tuned network frequency divider. A

Card 1/3

ACCESSION NR: AP4039818

variant contains a servomotor connected to the amplifier output and linked through a differential to the frame of a ferrodynamic pickup in the integral so that the proportional-plus-integral action obtained will be in the form of an angle of revolution. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 20May63

ENCL: 01

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/3

ACCESSION NR: AP4039818

ENCLOSURE: 01

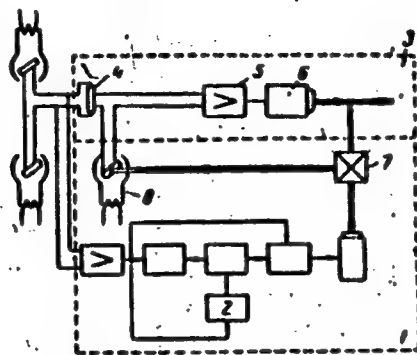


Fig. 1. Basic circuit of contactless controller

1 - Integrating unit; 2 - unit for setting the integration time; 3 - proportional unit; 4 - divider; 5 - amplifier; 6 - servomotor; 7 - differential; 8 - ferrodynamic pickup.

Card 3/3

KIVILIS, S.S.; GAFANOVICH, M.D.

Measurement of consumption by pressure drop with an automatic  
compensation of gas parameter changes. Izv. tekhn. no.12:40-45  
D '64. (MIRA 18:4)

L 31039-65

ACCESSION NR: AP5003052

S/0119/65/000/001/0010/0012

AUTHOR: Abugov, Yu. O.; Gafanovich, M. D.; Didenko, K. I.; Zagariy, G. I.;  
Shramko, K. N.

TITLE: Contactless proportional integrating controller

SOURCE: Priborostroyeniye, no. 1, 1965, 10-12

TOPIC TAGS: automatic controller, contactless automatic controller

ABSTRACT: A new contactless controller developed by the authors (see Enclosure 1) includes an electromechanical pulsed-type integrating unit which permits setting the integrating time within 7.5--20,000 sec. The error signal  $\Delta E = E_p - E_o$ , where  $E_p$  and  $E_o$  are the input parameter and reference voltages, respectively, is applied to voltage amplifier 3. The amplified error signal is fed to power-amplifying phase-sensitive device 4, proportioning circuit 5, and divider 6. The proportioning circuit converts the input signal into constant-

Card 1/3

L 31039-65

ACCESSION NR: AP5003052

height square pulses whose duration is proportional to  $\Delta E$ . The proportioning circuit is timed by adjustable power-supply-frequency divider 7. Device 4 controls capacitor motor 8 which, via a reducing gear, turns the coil of ferro-dynamic converter 9. The above components are described in some detail. The claimed characteristics are: error, 1%; controller gain, 0.1--40; a-c control signal, 25 v; output controlling d-c signal, 25 v; output signal power, 4 w; ambient conditions: 0--50C and humidity up to 80%. Orig. art. has: 5 figures and 8 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: IE, EC

NO REF SOV: 003

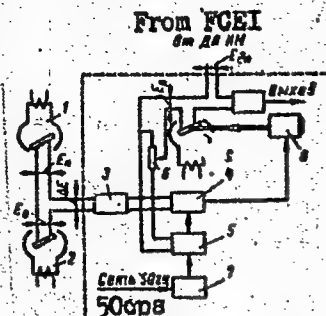
OTHER: 000

Card 2/3

L 31039-65

ACCESSION NR: AP5003052

ENCLOSURE: 1



A contactless proportional integrating controller

FCEI final control element indicator

Card 3/3



L 62096-65 EWT(1)/EEC(m)/EPR/EWA(h) Po-4/Pq-4/Pr-4/Ph/P1-2 WH  
 ACCESSION NR: AP5016749 UR/0286/65/000/010/0073/0073  
 681.121.46 30  
 3  
 AUTHOR: Gafanovich, M. D.; Didenko, K. I.; Kivilis, B. Sh.  
 TITLE: Flowmeter, Class 42, No. 171129  
 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 10, 1965, 73  
 TOPIC TAGS: flowmeter  
 ABSTRACT: An Author Certificate has been issued for a flowmeter (see Fig. 1 of the Enclosure) based on the measurement of the variable pressure drop produced by the swirl of the flow. The range of measurement, accuracy, and sensitivity have been improved by using a swirling element in the form of a helical wheel with a tube for measuring the pressure in the flow core and a tube for measuring the pressure at the periphery. Orig. art. has: 1 figure. [AC]  
 ASSOCIATION: none  
 SUBMITTED: 15Aug64 ENCL: 01 SUB CODE: ME, IE  
 NO REF SOV: 000 OTHER: 000 ATD PRESS: 4037  
 Card 1/2

L 62096-65

ACCESSION NR: AP5016749

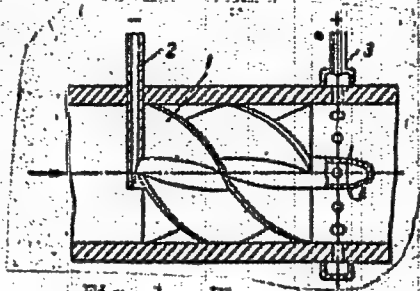


Fig. 1. Flowmeter

1 - Swirler; 2 - core  
pressure tube; 3 - peri-  
phery pressure tube.

*llc*  
Card 2/2

L 61069-65

ACCESSION NR: AP5017862

UR/0286/65/000/011/0110/0110  
531.776

AUTHOR: Didenko, K. I.; Gafanovich, M. D.; Krumer, D. R.

TITLE: <sup>44</sup>Compensating tachometer. <sup>44</sup>Class 42, No. 171675

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 110

TOPIC TAGS: compensating tachometer, tachometer <sup>10, 44</sup>

ABSTRACT: An Author Certificate has been issued for a compensating tachometer incorporating a differential and a reference motor (see Fig. 1 of the Enclosure). In order to increase its accuracy, the tachometer is equipped with a feed-back element consisting of a string-type transducer which feeds a synchronous motor, the RPM of which is proportional to the tension of the string, through an amplifier. Orig. art. has: 1 figure. [WH]

ASSOCIATION: none

SUBMITTED: 06Jul62

ENCL: 01

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

ATD PRESS: 4060

Card 1/2

L 61069-65

ACCESSION NR: AP5017862

ENCLOSURE: 01

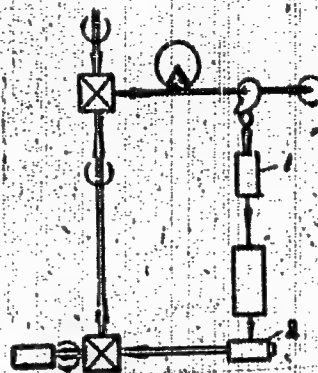


Fig. 1. Compensating tachometer

- 1 - String-type transducer;
- 2 - synchronous motor.

Card

2/2

GAFANOVICH, M.D., inzh; DIDENKO, K.I., kand. tekhn. nauk

Standard ferrodynamic transducers. Priborostroenie no. 10:  
22-23 0 ' 65 (MIRA 19:1)

ACC NR: AP7001824

SOURCE CODE: UR/0119/66/000/012/0012/0014  
(Engineer); Zagariy, G. I.  
Technical science

ACC NR: AP7001824

SOURCE CODE: UR/0119/68/001

AUTHOR: Abugov, Yu. O. (Engineer); Gafanovich, M. D. (Engineer); Zagariy, G. I. (Engineer); Shramko, K. N. (Engineer); Didenko, K. I. (Candidate of technical sciences)

lator with nonlinear integrating action

ORG: none

AUTHOR: Abugov, Yu. O. (Engineer); Shramko, K. N. (Engineer); Didenko, V. I. (Engineer);  
ORG: none  
TITLE: Proportional-plus-integral regulator with nonlinear integrating action

TITLE: Proportional-plus-integral  
SOURCE: Priborostroyeniye, no. 12, 1966, 12-14  
nonlinear control

**TOPIC TAGS:**

TITLE: Proportional-plus-integral  
 SOURCE: Prihorostroyeniye, no. 12, 1966, 12-14  
 TOPIC TAGS: nonlinear control system integration  
 ABSTRACT: A proportional-plus-integral regulator serially produced since 1965 is described in which the duration of integration is inversely related to the magnitude of the error signal. The block diagram of the regulator (see Fig. 1) has an analog

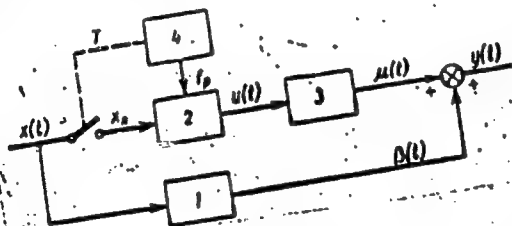


Fig. 1. Nonlinear proportional-plus-integral regulator.

UDC: 621.3.078

001/

8. art. [BD]

Card 1/2

**Card 2/2**

ACC NR: AP7004256

(A)

SOURCE CODE: UR/0432/66/000/002/0031/0034

AUTHOR: Didenko, K. I. (Candidate of technical sciences); Gafanovich, M. D.;  
Sushin, V. A.

ORG: none

TITLE: Automatic rheochordless bridge

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 2, 1966, 31-34

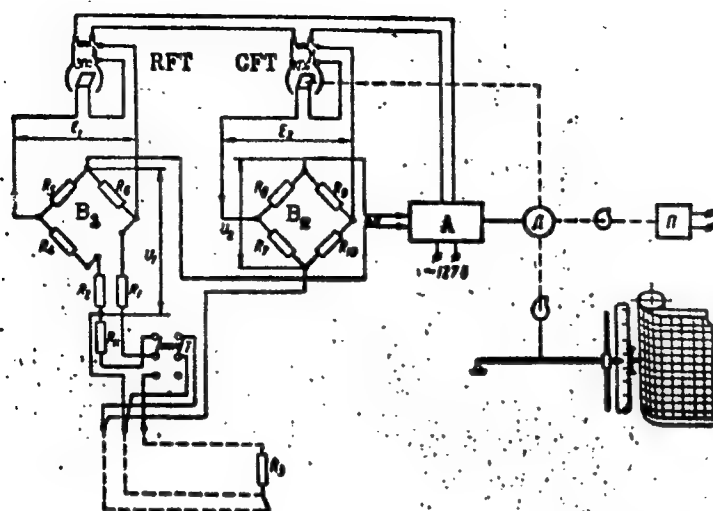
TOPIC TAGS: ferrodynamic bridge, temperature measurement / MFSM temperature recorder  
*temperature instrument, temperature recorder*

ABSTRACT: OSKB of the Khar'kov Control-and-Measuring Instrument Plant has developed a small-size ferrodynamic temperature recorder that does not contain slide-wire rheostats or any movable-contact device. The new recorder is based on the automatic compensation of a voltage proportional to thermometer resistance by an electric signal produced by a contactless ferrodynamic transducer (see figure). Electronic amplifier A receives a difference of voltages taken from the diagonals of unbalanced bridges  $B_1$  and  $B_2$ . Bridge  $B_1$  is supplied by reference ferrodynamic transducer RFT while bridge  $B_2$ , by compensating CFT. The recorder uses both copper and platinum resistance thermometers; its claimed error does not exceed  $\pm 0.5\%$  full scale; full-deflection time, 2.5, 8, or 18 sec; chart rate, 20, 40, 60, or 120 mm/hr. Orig. art. has: 2 figures and 8 formulas.

Card 1/2

UDC: 621.317.733

ACC NR: AP7004256



SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 005

Card 2/2



GAFANOVICH, M.Ya.

Convergence of aerodynamic characteristics of wind wheels with  
different speeds. Prom.aerodin. no.16:28-34 '60. (MIRA 13:8)  
(Aerodynamics) (Windmills)

SABININ, G.Xh.; GAFANOVICH, M.Ya.

Vibration of a windmill tower regulated by turning blades using a centrifugal regulator. Prom.aerodin. no.16:35-52 '60.

(MIRA 13:8)

(Windmills--Vibration)  
(Aerodynamics)

GAFAROV, A.

Dissertation defended for the degree of Candidate of Philological Sciences at the  
Institute of the Peoples of Asia

"Life and Creativity of Mirza Asadulla Galib (1797-1869)."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

S/194/62/000/004/056/105  
D295/D308

AUTHOR: Gafanovich, V. S. and Ivanov, Yu. N.

TITLE: The matching of high-power titanate radiators with the output of a high-frequency generator

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 4, 1962, abstract 4-5-32r (V sb. Primeneniye ul'-traakust. k issled. veshchestva. no. 14, M., 1961, 301-307)

TEXT: For the matching of a generator with radiators of barium-titanate ceramic, it is suggested to use an inductive coupling between resonant circuits, one of which is connected to the anode circuit of the valve generator, and in the other the radiator itself is included. In this connection it is not recommended to take radiators with a large surface; preference is given to less powerful radiators connected in series or series-parallel groups. [Abstracter's note: Complete translation.]

Card 1/1

8(0), 25(0)

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4,  
pp 98-99 (USSR)

AUTHOR: Gafanovich, V. S.

TITLE: Investigation of an Automatic Feed-Speed System for Circular-Saw  
Machines

PERIODICAL: Sb. statey po avtomatiz. derevoobrabat. proiz-v, 1957, Nr 1,  
pp 119-153

ABSTRACT: Considerable variations in the cutting power of woodworking machines occur in the course of work depending on the work item shape and properties, on frame changing, on cutting-tool condition, on slippage in feed mechanisms, etc. These factors result in a low utilization of the motor installed capacity, in an insufficient productivity, and often in damage to the motors due to overloads. An example of an electric drive scheme for a multisaw machine that has a particularly heavy rapidly-fluctuating load and high feed speeds is examined; the example is used for investigating an amplidyne system of

Card 1/2

SOV/112-59-4-7103

Investigation of an Automatic Feed-Speed System for Circular-Saw Machines

automatic feed-speed control. The feed speed varies as a function of current in the main motor circuit in such a way that the power on the main-motor shaft is maintained constant within the static error of the control system. Differential equations of the control system (in operational form) permit evaluating the system gain, its influence upon control quality, and also permit determining the need for flexible feedbacks for stabilizing the control system. To verify the system stability, transfer functions for a closed system and a characteristic equation are derived. A mathematical investigation of the control quality is made, and the transient-phenomena curves are plotted for the cases of a disturbance and a control action. On the basis of mathematical and graphical analyses, recommendations are offered for devising a principal system of automatic control for a multisaw machine. The article does not mention any laboratory investigation or practical adoption of the system.

Ts.M.M.

Card 2/2

GAFANOVICH, V.S.  
GAFANOVICH, V.S., inzh.

Changing the terminal cascade of a powerful shortwave  
transmitter to an inverse circuit. Vest.sviazi 17 no.8:

31-32 Ag '57.

(MIRA 10:10)

(Radio--Transmitters and transmission)

GAFANOVICH, V. S., Cand Tech Sci -- (diss) "Research into the performance of multi-cut round-saw machine-tools with automatic feed control under conditions of long cuts of thin logs." Moscow, 1960. 24 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Forestry Engineering Inst); 125 copies; price not given; (KL, 19-60, 133)



GAFANOVICH, V.S., inzh.

Transient processes in the servomechanism of the feed of gang  
saws during the sawing of small logs. Nauch. trudy MLTI no.118  
101-117 '61 (MIRA 18:1)

GAFANOVICH, V.S.; YAKUNIN, N.Ya.

Technological comparison analysis of the performance of circular multiple-unit sawmills in case of a constant feed rate and its automatic control. Der.prom. 11 no.11:3-7 N '62. (MIRA 15:12)

1. Moskovskiy lesotekhnicheskiy institut (for Gafanovich). 2. Nauchno-issledovatel'skiy institut derevoobrabatывayushchego mashinostroyeniya (for Yakunin).

(Circular saws—Testing)

GAFAROV, Arslan Nurtidinovich, burovoy master; PANKOVA, V.M., redaktor;  
KIRSANOVA, N.A., tekhnicheskiy redaktor

[To Devonian depths] K devonskim glubinaam. [Moskva] Izd-vo VTsSPS  
Profizdat, 1956. 61 p. (MLRA 10:2)

1. Trest "Taymazaburneft'" (for Gafarov)  
(Boring)

GAFAROV, A. N.

We are drilling in water to the planned depth. Neftianik 1 no.1:  
8-10 Ja '56. (MIRA 9:7)

1. Burovoy master kontory bureniya No.1 tresta Tuzmazaburneft'.  
(Oil well drilling fluids)

GAFAROV, A.N.

To the Devonian horizon. Nauka i zhizn' 23 no.4:9-12 Ap '56.  
(MIRA 9:7)

I. Burevey master trosta "Taymazaburneft", deputat Verkhovnoye  
Soveta RSFSR.

(Petroleum geology) (Oil well drilling)

GAFAROV, B.G.

Sixty-fifth anniversary of the journal "Pochvovedenie".  
Pochvovedenie no.10:127-131 0 '64.

(MIRA 17:11)

ABDURASHITOV, S.A.; LYAPIN, Yu.N.; GAFAROV, B.S.

Proportioning DN-2 pump. ~~Isv.~~ ~~vys.~~ ucheb. zav.; neft' i gaz 5 no. 12:  
77-79 '62. (MIRA 17:4)

1. Azerbaydzhanskiy institut nefti i khimii imeni Aziatekova i  
Nauchno-issledovatel'skiy i proyektnyy institut "Neftekhimavtomat".

GAFAROV, R.A.

Structural pattern of the pre-cambrian foundation of the  
northern part of the Volga-Ural area. Geol.nefti i gaza 3  
no.10:9-14 0 '59. (MIRA 12:12)

1. Geologicheskii institut AN SSSR.  
(Volga Valley--Geology, Structural)  
(Ural Mountain region--Geology, Structural)



ZHURAVLEV, V.S.; GAFAROV, R.A.

Basic tectonic features of the northeastern Russian Platform.  
Biol. MOIP. Otd. geol. 34 no.5:151-152 S+O '59. (MIRA 14:6)  
(Russian Platform--Geology, Structural)

GAFAROV, R.A.

Structure of the Pre-Cambrian basement in the northern Russian Platform. Izv.AN SSSR. Ser.geol. 26 no.1:59-71 Ja '61. (MIRA 15:6)

1. Geologicheskii institut AN SSSR, Moskva.  
(Russian Platform—Geology, Structural)

GAFAROV, R.A.

Structure of the folded basement of the Russian Platform based on  
geophysical data. Izv. AN SSSR.Ser.geol. 28 no.8:56-67 Ag '63.  
(MIRA 17:2)

1. Geologicheskii institut AN SSSR, Moskva.

GAFAROV, R.A.

Tectonics of basement and the types of magnetic field in the  
Siberian Platform. Izv. AN SSSR. Ser. geol. 30 no.7:95-107  
Jl '65. (MIRA 18:7)

1. Geologicheskiy institut AN SSSR, Moskva.

GAFAROV, Ya.

Remote control of offshore oil wells. Neftianik 2 no.6:35 Je '57.

(MIRA 10:10)

(Remote control)

(Petroleum in submerged lands)

GAFAROV, Ya.

When will equipment be used at last? Neftianik 2 no.8:35 Ag '57.  
(Craines, derricks, etc.) (MIRA 10:10)

GAFAROV, Ya.D.

An encounter near a well. Neftianik 8 no.1:14 Ja '63. (MIRA 16:3)  
(Artem Island—Oil well drilling, Submarine)

GAFAROVA, A.M., aspirant

Clinical picture of acute otitis media in scarlet fever.  
Vestn. otorinolaring. 25 no.3:46-49 '63 (MIRA 17:1)

1. Iz kafedry bolezney ukha, nosa i gorla ( zav. - prof. I.I.  
Potapov) Tsentral'nogo instituta usovershenstvovaniya vrachey  
i 2-y klinicheskoy infektsionnoy bol'nitsy, Moskva.



GAFAROVA, A.M. (Moskva)

Defective hearing in children with acute inflammation of the middle ear in scarlet fever. Zhur. ush., nos. i gor. bol. 24  
no.2:28-31 Mr-Apr '64 (MIRA 18:1)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof. I.I. Potapov) Tsentral'nogo instituta usovershenstvovaniya vrachey.

GAFAROVA, G.K.: MALYSHEVA, R.A., direktor.

Electroencephalography in cerebrocranial hemorrhages in newborn. Akush.i  
gin. no.2:25-28 Mr-Ap '53. (MLBA 6:5)

1. Sverdlovskiy nauchno-issledovatel'skiy institut okhrany materinstva i  
mladenshestva. (Apoplexy--Diseases) (Infants (Newborn)--  
Diseases) (Electroencephalography)

USSR/ Human and Animal Physiology. Blood.

V

Abs Jour: Ref Zhur-Biol., No 6, 1958, 26792.

Author : G.K. Gafarova.

Inst :

Title : Certain Indices of the Effectiveness of Transfusions  
of Native Plasma and Glucose in the Care of Premature  
Infants.

Orig Pub: Vopr. okhrany materinstva i detstva, 1956, 1, No 3,  
15-19.

Abstract: About 1500 transfusions of blood and blood compo-  
nents in combination with glucose were performed  
upon premature infants weighing 1000 to 2000 grams  
who were in an extremely grave condition. When  
native plasma was employed, in not a single one  
of the infants was a negative reaction observed in

Card : 1/3

15

15

09/17/2001

CIA-RDP86-00513R000614010006-3

GAFAROVA, K. M.

USSR / Cultivated Plants. Medicinal Plants. Essen- M-9  
tial Oil Plants. Poisonous Plants.

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73223.

Author : Gafarova, K. M.

Inst : Alma-Atinskiy Zooveterinarian Institute.

Title : Cultivation of Indian Hemp as a Medicinal Plant.

Orig Pub: Tr. Alma-Atinsk. zoovet. in-ta, 1957, 10, 145-157.

Abstract: Data in the literature are cited on the pharmacological effect of tinctures, decoctions and extracts of lanceolate-leaved Indian hemp (*Apocynum lancifolium* R.). Experiments conducted at the experimental station of the Kazakh State University, located on the northern slope of the Zailiyskiy Alatau, showed that the best period for planting *Apocynum lancifolium* is the first ten days in May and for rough Indian hemp the second ten days of May.

Card 1/2

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GAFARCVA, K.M., Cand Bio Sci — (diss) "Biological peculiarities of Indian  
hemp in connection with <sup>methods of</sup> reproduction under conditions of cultivation."  
Alma-Ata, 1958 18 pp (Kazakh State Univ im S.M.Kirov, Bio-Soil Faculty)  
150 copies (KZ 24-58, 117)

GAFAROVA, N.A.

Tuberculous mesadenitis in children. Kaz.med.zhur. 40 no.5:  
45-49 S-O '59. (MIRA 13:7)

1. Iz detskogo otdeleniya Respublikanskoy klinicheskoy bol'nitsy  
(sav. - prof. Ye.N. Korovayev) Ministerstva zdavookhraneniya  
Tatarskoy ASSR.

(LYMPHATICS--TUBERCULOSIS)

GAFAROVA, N.A.

Cerebral-hypophysial syndrome of Shereshevskii in a girl. Kaz.med.  
zhur. no.3:63-64 My-Je '62. (MIRA 15:9)

1. Detskoye otdeleniye Respublikanskoy klinicheskoy bol'nitsy  
Ministerstva zdravookhraneniya Tatarskoy ASSR (glavnyy vrach - Sh.V.  
Bikchurin [deceased]).  
(TURNER'S SYNDROME)

BEN'KOVSKIY, V.G.; GAFAROVA, N.A.; DZHANAKHMETOVA, Zh.K.; FAKHRUTDINOVA, D.I.;  
FILATOVA, M.A.

Obtaining surface-active agents from petroleum products. Trudy Inst.  
nefti AN Kazakh.SSR 4:179-186 '61. (MIRA 16:4)  
(Petroleum products) (Surface-active agents)



GAFAROVA, N. A.; DZHANAKHMETOVA, Zh. K.; NOGERBEKOV, B. Yu.;  
BEN'KOVSKIY, V. G.

Surface-active substances from the petroleum products of the  
Gur'ev Petroleum Refinery. Khim. i tekhn. topl. i masel 8 no. 6:  
30-33 Je '63. (MIRA 16:6)

1. Institut khimii nefti AN KazSSR.  
(Gur'ev (Gur'ev Province)—Petroleum refineries)  
(Surface-active agents)

SHARIFKANOV, A.Sh.; MUKHAMETKALIYEV, T.M.; GAFAROVA, N.A.

Heterocyclic compounds. Part 1: Interaction of  $\gamma$ -piperidones  
with organolithium compounds. Zhur. ob. khim. 34 no. 3:  
843-847 Mr '64. (MIRA 17:6)

1. Kazakhskiy gosudarstvennyy universitet.

GAFAROVA, S.A.; GASANOV, A.S.

Vitamin C metabolism in the organism of guinea pigs infected  
with listeriosis. Izv. AN Azerb. SSR. Ser. biol. no.4:123-126  
'64.  
(MIRA 17:12)

Gafencu, A.

Some observations on variations of the momentary moisture content of the superficial layers of the degraded chernozem of the experimental field Aroneanu-Iasi under the conditions of 1952. p. 53.

LUCRARI STIINTE. (Institutul Agronomic "Profesor Ion Ionescu de la Brad," Iasi) Bucuresti, Rumania.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 8, Aug. 1959

Uncl.

BUCUR, N.; GAFENCU, Ana; IONEL, A.

Soil humidity in the domain (stage) of pellicular rupture.  
Studii biol agr Iasi 13 no.2:341-348 '62.

GAFFAROV, M.K., inzhener po tekhnicheskim normirovaniyu.

Mastering related trades. Neftianik 2 no.1:27-28 Ja '57. (MLRA 10:2)

1. Trest Tamneftegazrazvedka.  
(Petroleum industry)

GAFFERBERG, E. Ye.

"Gedan--kochevoye zhilishchebeludzhey."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

CAFITEANU, M.

Distr: hE2c(j)

A new method of picric acid determination. Petre Spacu and M. Castreanu. *Analele Univ. "C. I. Parhon" Bucuresti, Ser. Chim.* No. 14, 77-80 (1957). This new gravimetric method is based upon the formation of the complex  $[Ag(CSN_3H_3)](C_6H_3N_3O_3)$ . Dissolve 0.04-0.2 g. picric acid in 50-60 ml. water, heat to boiling, and add 2-3 ml. AgNO<sub>3</sub> and 2-3 ml. thiourea. Filter the ppt. and wash it successively with a 5:1 mixt. of ether and alc. then with a 1:1 mixt. of abs. alc. and abs. ether mixt. and finally with abs. ether. Then dry the ppt. under vacuum. The conversion factor is 0.4672. The error is  $\pm 0.2\%$ . T. Harding.

je  
1/1

4  
2 May

J. J.



GAFITEANU, Miosara, chimist.

Modern methods for determining sulfates in natural waters.  
Meteorologia hidrol. gosp. 8 no.2: 93-96 '63

POPINCEANU, N.G.; GAFITANU, M.D.

Contribution to the designing and economic construction of  
toothed wheels. Studii cerc mec apl 14 no.2:385-401 '63.

1. Institutul Politehnic, Iasi (for Gafitanu).

GAFFIATULLIN, F.G.

Prolapse of a loop of the ileum through an intraperitoneal  
rupture of the rectum and through the anal aperture. Khirurgiia  
no.6:115 Je '61. (MIRA 14:11)

1. Iz Malo-Uchalinskoy uchastkovoy bol'nitsy (glavnyy vrach  
Kh.M. Vagapova) Uchalinskogo rayona, Bashkirskaya ASSR.  
(RECTUM---RUPTURE) (HERNIA) (ILEUM)

CHERNORUTSKIY, G.S., kand. tekhn. nauk; TSYGANKOV, V.A., inzh.; SIBRIN, A.P., inzh.; KUZNETSOV, I.M., inzh.; GAFIYATULLIN, R.Kh., inzh.

Automatic control system of regulating the speed of rotation of the working element of the SBMK-5 boring machine. Izv. vys. ucheb. zav.; gor. zhur. 6 no.10:27-32 '63. (MIRA 17:2)

1. Chelyabinskiy politekhnicheskiy institut (for Chernorutskiy, TSygankov, Sibrin). 2. RIOGR (for Kuznetsov). 3. Sverdlovskiy gornyy institut imeni Vakhrusheva (for Gafiyatullin).

KUZNETSOV, I.M., inzh.; GAFIYATULLIN, R.Kh., inzh.

Study of boring conditions and the advantage of regulating them  
during the making of blast holes using pneumatic sinker hammers.  
Izv.vys.ucheb.zav.;gor.zhur. 6 no.11:102-108 '63. (MIRA 17:4)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.  
Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov.

KUZNETSOV, I.M., inzh.; GAFIYATULLIN, R.Kh., inzh.

Optimal control of the regime of rotary percussion drilling of  
blast holes. Izv.vys.ucheb.zav.:gor.zhur. 7 no. 1:174-178 '64.  
(MIRA 17:5)

1. Institut RIOGR (for Kuznetsov). 2. Sverdlovskiy gornyy  
institut im. V.V.Vakhrusheva (for Gafiyatullin). Rekomendovana  
kafedroy avtomatizatsii proizvodstvennykh protsessov Sverdlovskogo  
gornogo instituta.

GAFIYATULLIN, R.Kh., inzh.; KOLOMOYETS, A.V., inzh.; TROP, A.Ye., prof.

Method of obtaining a maximum vibration amplitude by eliminating the catching of drilling equipment and casing pipe. Izv.vys.ucheb.zav.; gor.zhur. 7 no.7:153-157 '64. (MIRA 17:10)

1. S- rdllovskiy gornyy institut imeni Vakhrushova. Rekomendovana kafedroy tekhniki razvedki.

ACC NR: AP6015635

SOURCE CODE: UR/0413/66/000/009/0041/0042

INVENTORS: Trop, A. Ye.; Gafiyatullin, R. Kh.; Kuznetsov, I. M.

ORG: none

TITLE: A step extremum regulator with proportional control. Class 21, No. 181172

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 41-42

TOPIC TAGS: automatic control system, magnetic amplifier

ABSTRACT: This Author Certificate presents a step extremum regulator with proportional control. The regulator includes a reference level source, a summing magnetic amplifier, a converter of a continuous quantity to a discrete quantity (C/D), the input of which is connected to a smoothing RC circuit with a time constant  $T_1$ , a pulse accumulator, a storage and calculation device, a logic action element, and a proportional regulation device (see Fig. 1). The design makes it possible to carry out the extremum search with a variable step and with a variable period. The second summing magnetic amplifier is connected to the output of the control object and to the reference level source. The second summing magnetic amplifier is connected (through a smoothing RC circuit with a time constant  $T_2$  which is larger than  $T_1$ ) to the second C/D converter. This second C/D converter contains the output trigger with a relay. The contacts of the relay are connected to the coupling circuits between

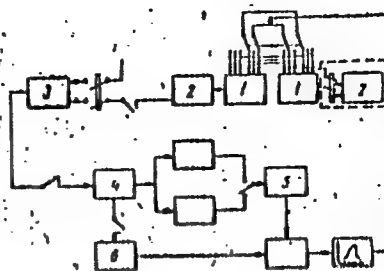
Card 1/2

UDC: 621-551.42



ACC NR: AP6015635

Fig. 1. 1 - magnetic amplifiers; 2 - converters;  
3 - summator; 4 - storage and calculation  
device; 5 - logic action element; 6 - pro-  
portional regulation device



the first converter and the accumulator, between the accumulator and the storage calculation devices, between the storage and calculation devices and the proportional regulation device. To impart a universality to the regulator with different operating conditions, switches are mounted in the input circuits of the accumulator and of the second converter. These switches connect the circuits to the minus tie line of the power supply source. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 25Feb64

Card 2/2

GAFNER, I. A. inzhener.

Water and heat treatment of wheat damaged by shield bugs. Muk.-elev.  
prom. 20 no.10:15-17 0 '54. (MIRA 7:12)

1. Glavnoye upravleniye mukomol'noy, krupyanoy i kombikormovoy promyshlennosti.

(Wheat--Diseases and pests) (Flour)

A.  
GAFNER, L., inzhener.

All-Union conference of workers in the flour, groats, and feed industry. Muk.-elev.prom. 23 no.7:19-20 J1 '57. (MLRA 10:9)

1. Upravleniye mukomol'nykh, kruopnykh i kombikormovykh predpriyatiy Ministerstva khleboproduktov SSSR.  
(Grain milling)

GORYANNIKOV, M.S., red.; GAFNER, L.A., red.; KOPANEV, B.N., red.;  
PEDOSOVA, N.I., red.; ~~SONOKOVA~~, L.A., tekhn. red.

[Flour, groats and feed industry of the U.S.S.R., 1917-1957;  
a collection of articles] Mukomol'naisa, krupiansaisa i kombi-  
kormovaisa promyshlennost' SSSR, 1917-1957 gg.; sbornik statei.  
Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam mukomol'no-  
krupianoi i kombikormovoi prom. i elevatorno-skladskogo khoz.,  
1958. 189 p. (MIRA 12:2)

1. Nachal'nik Upravleniya mukomol'no-krupyanykh i kombikormovykh  
predpriyatiy Ministerstva khleboproduktov SSSR (for Goryannikov).  
(Feed mills) (Grain milling)

BARSHAK, Petr Borisovich [deceased]; GAFNER, Lev Andreyavich;  
DENISENKOVA, L.M., red.; GOLUBKOVA, L.A., tekhn. red.

[Preparing grain for milling at a mill] Podgotovka zerna k  
pomolu na mel'nitse. Moskva, Zagotizdat, 1961. 82 p.  
(MIRA 15:11)

(Grain handling)

POPOVICI, G.G. [Popovici, G.]; MOYSE, L. [Moisa, L.]; NEGOTSE, M. [Negota, M.]; MANOULE, V. [Manoilu, V.]; BOTEZ, E.; GAFNER, R.; KALERASHU, A. [Calarasu, A.]

Effect of some antibiotics on the reactivity of the components of interoceptive reflexes. Antibiotiki 10 no.2:122-130 F '65.  
(MIRA 18:5)

1. Meditsinskiy institut, Yassy, Rumyniya.

GAFRONOV, V. S.

V. S. Gafronov

Decrease in the rotary separation of the sun in connection with the decrease in its mass due to the evolution process.

Astronomical Journal Acad. of Sci. USSR, Moscow

20, 4, July-Aug. 1951, 244-253

From: Monthly List of Russian Acquisitions, Sept. 1951, Vol. 4, No. 6, p. 19  
(Trans. Copy)

GAFI, A.M., podpolkovnik med.sluzhby

Intravenous administration of novocaine in treating acute  
inflammations of the ear, nose, and throat. Voenn.-med.zhur.  
no.12:78 D '55 (MIRA 12:1)  
(NOVOCAINE)  
(OTORHINOLARYNGOLOGY)



*Gaft, A.M.*

KOROL'KOV, F.N., mayor med.sluzhby; GAFT, A.M., podpolkovnik med.sluzhby

Use of hypnosis in preparing patients for surgery. Voen.-med.shur.  
no.11:73 N '57. (MIRA 11:4)

(HYPNOSIS) (OPERATING, SURGICAL)

EZ, V.V.; GAFI, D.Ye.; KUZNETSOV, B.I.; SHEYIMANN, Yu.M., otv. red.

[Morphology and conditions governing the formation of holomorphic folding as revealed by a study of the Silair synclinorium of the Southern Urals] Morfologiya i usloviia obrazovaniia golomorfnoi skladchatosti na primere Zilair-skogo sinklinorija IUzhnogo Urala. Moskva, Nauka, 1965. 100 p. (MIRA 18:5)

1. Institut fiziki Zemli AN SSSR (for Ez, Gafi, Kuznetsov).

EZ, V.V.; GAFI, D.Ye.

Factors in the formation and characteristic features of dislocation breccia in the Middle Paleozoic carbonate layer of the Kara-Tau (southern Kazakhstan). Izv. AN SSSR. Ser.geol. 27 no.9:75-89 S '62. (MIRA 15:9)

1. Institut fiziki Zemli imeni O.Yu. Shmidta AN SSSR, Moskva. (Kara-Tau--Breccia)

GAFT, K.Kh. (Khar'kov, ul. Kantorskaya, d.35, kv.8)

Change in the specific gravity of the blood depending on the type of surgical treatment. Nov.khir.arkh. no.5:119 S-O '59. (MIRA 13:3)

1. Kafedra obshchey khirurgii (zaveduyushchiy - prof. S.L. Minkin)  
lechebnogo fakul'teta Khar'kovskogo meditsinskogo instituta i bio-  
fizicheskiy otdel (zaveduyushchiy - dotsent V.K. Tkach) Khar'kov-  
skogo instituta meditsinskoy radiologii.

(BLOOD--EXAMINATION)

(SURGERY)

GAFT, K.Kh. (Khar'kov. ul. Kontorskaya, d.35,kv.8)

Qualitative changes in the proteins of blood serum in relation  
to the seriousness of surgical intervention. Klin. khir. no.10:  
56-60 0 '62. (MIRA 16:7)  
(BLOOD PROTEINS) (SURGERY, OPERATIVE)

GAFT, L.I., inzh.

Repairing defects in cast iron by TSCh-4 electrodes. Svar.  
proizv. no.6:11-12 Je '63. (MIRA 16:12)

1. Moskovskiy zavod "Kompessor."

GAT, L.f., inzh.

Welded connecting pipe with a hard-faced sealing surface.

Svar. prolzv. no.6:23-24 Jo '65.

(MIRA 18:8)

1. Moskovskiy zavod "Kompessor".

*GAF, M.*

USSR/ Electronics

Card 1/1 Pub. 89 - 32/32

Authors : Gaf, M., Varskiy, B., Fayzulaev, B., and Leonov, K.

Title : Exchange of experiments

Periodical : Radio 2, pages 24, 33 43, and 58, Feb 1955

Abstract : The following innovations and devices are briefly described: a triode converter for the 6N15P tubes used in amateur television sets and UHF radio receivers; a universal brace for holding coil bodies in place on a winding machine; a method for eliminating self-excitations in an intermediate frequency amplifier; and a method for calibrating scales on measuring instruments. Circuit diagrams; drawings.

Institution: .....

Submitted: .....



ABDURAKHMANOV, A.; POLOZOV, I.T.; GAIT, M., spetsred.; BONDARENKO,  
M., red.; UMANSKIY, P., ~~tekhnred.~~

[Practices of participants in the Uzbekistan section of the  
All-Union Agricultural Exhibition] Opyt uchastnikov Vse-  
soiuznoi sel'skokhoziaistvennoi vystavki po Uzbekskoi SSR.  
Gos. izd-vo Uzbekskoi SSR, 1958. 78 p. (MIRA 12:1)  
(Moscow--Agricultural exhibitions) (Uzbekistan--Agriculture)

GAFT, M. M.

Work practices of the Section for Oral and Printed propaganda. Dost.  
sel'khoz, No 9, 1952.

GAFT, P. G.

Cand Med Sci - (diss) "Neurological disorders in patients suffering from epidemic hepatitis (Botkin's disease)." Odessa, 1961. 16 pp; (Odessa State Med Inst imeni N. I. Pirogov); 300 copies; price not given; (KL, 6-61 sup, 237)

GAFT, Ya. B.

"An Investigation of the Coefficient of Friction in Rolling." Cand Tech Sci,  
Moscow Machine Tool and Tool Inst imeni I. V. Stalin, 29 Dec 54. (VN, 17 Dec  
54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational  
Institutions (12)

SO: SUM No. 556, 24 Jun 55

SOV/124-59-8-8404

Translation from: Referativnyy zhurnal, Mekhanika, 1959, Nr 8, p 11 (USSR)

AUTHOR: Gaft, Ya.B.

TITLE: On the Problem of the "Invariability" of the <sup>26</sup>Friction Factor of Rolling

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1958, Nr 4, pp 81 - 85

ABSTRACT: The results of experimental investigations of the rolling friction obtained by various authors are correlated. The author showed by his investigations the dependence of the rolling friction factor upon the dimensions of the contact surface.

G.D. Lomakin

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Card 1/1

GALT, Ya. M.

35144. Kollektivnye Formy Trudoustroystva Tuberkuleznykh Bol'nykh.  
Byulletenb In-ta Tuberkuleza Akad. Med. Nauk SSSR, 1949, No. 3, s. 19-24.

SO: Letopis' Zhurnal'nykh Statoy, Vol. 48, Moskva, 1949

GALT, Ya.M.

Efficacy of rehabilitation of tuberculous. Prob.tuberk., Moskva No.  
1:59-63 Jan-Feb 51. (CML 20:6)

1. Of the Dispensary Sector (Head--Prof.S.Ye.Nezlin), Institute of  
Tuberculosis of the Academy of Medical Sciences USSR (Director--  
A.A. Lebedeva).

GAFT, Ya.M., kand.med.nauk; Primali uchastiye: BRANZBURG, N.A., vrach;  
GOL'TS, I.P., vrach; GORELIK, Ye.S., vrach; ZVONKINA, O.M., vrach;  
LIVSHITS, R.I., vrach; LUR'YE, Ye.L., vrach; OZHE, N.B., vrach;  
RYBAL'SKAYA, V.G., vrach; CHELNOKOVA, A.K., vrach; YAVORSKIY, A.V.,  
vrach

Dynamics of the tuberculous process in patients transferred to the  
third group of dispensary registration. Probl. tub. 38 no.3:3-8  
'60. (MIRA 14:5)

1. Iz protivotuberkuleznogo dispansera No.4 Moskvy (glavnyy vrach -  
zasluzhennyy vrach RSFSR S.M.Zamukhovskiy).  
(TUBERCULOSIS)



GAFT, Ye.B.; KOSENKO, I.N.

Shape-forming of forging stock by plastic stretching. Mashinos-  
troitel' no.9:17 S '60. (MIRA 13:9)

(Forging)

GAPTEK, Ya.; KOZNEVSKAYA, G.; SELETSKIY, B.; SERPINSKIY, S.; STEPEN', L.;

TOCHUK, S.

Investigations on the pathophysiological mechanisms of speech disorders in focal affections of the dominant hemisphere of the brain. Zhur. nevr. i psikh. 55 no. 12:922-927 '55. (MLRA 9:2)

1. Otdel neyrokhirurgii Gosudarstvennogo psikhonevrologicheskogo instituta (dis.-prof. Z. Kuligovskiy) Varshava.

(SPEECH, DISORDERS, etiology and pathogenesis,  
brain lesions of dominant hemisphere)

(BRAIN, diseases,  
lesions of dominant hemisphere causing speech disord)

65901 69584  
SOV/112-59-22-46133

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, Nr 22, p 118 (USSR)

28.1000 16.9500

AUTHOR: Gaft, Yu.B.

TITLE: A Device for Measuring the Tangential <sup>26</sup>Load on the Contact Surface When  
a Cylinder is Rolling on a Plane

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1958, Nr 4, pp 87 - 93

ABSTRACT: Described is a pendulum-type device with an induction differential pick-  
up for the study of a unitary couple of friction forces at various loads  
and rolling bodies. 6 illustrations.

Card 1/1

USSR / Human and Animal Physiology. Blood Circulation. T  
The Heart.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 101874.

Author : Gafter, A. I.; Matusova, A. P.; Belousov, S. S.

Inst : ~~Not given.~~

Title : On the Problem of Diagnostic and Prognostic Value  
of Ballistocardiography in Coronary Insufficiency.

Orig Pub: Terapevt. arkhiv, 1957, 29, No 7, 26-32.

Abstract: The results of ballistocardiographic investigations  
of 75 patients with coronary insufficiency and 42  
healthy individuals, compared with ECG data, lead  
the authors to conclude the diagnostic and prog-  
nostic value of ballistocardiography in coronary  
insufficiency.

Card 1/1